

Title (en)
ANTI-SOILING COATING FOR AN OPHTHALMIC LENS

Title (de)
SCHMUTZABWEISENDE BESCHICHTUNG FÜR BRILLENGLAS

Title (fr)
REVÊTEMENT ANTI-SALISSURE POUR LENTILLE OPHTALMIQUE

Publication
EP 3942357 A1 20220126 (EN)

Application
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Priority
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Abstract (en)
[origin: US2020301047A1] A hydrophobic and/or oleophobic coating system for an ophthalmic lens having increased effective thickness and water contact angle. In one embodiment, the hydrophobic and/or oleophobic coating system comprises an anti-reflective coating applied to an ophthalmic lens, the anti-reflective coating comprising alternating layers of high and low index materials with an outer layer of silicon dioxide having exposed hydroxyl groups. A hydrophobic coating is applied to the anti-reflective coating, the hydrophobic coating comprising a silane with a hydrophobic group and fewer than three reactive groups capable of bonding to the exposed hydroxyl groups of the anti-reflective coating.

IPC 8 full level
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C03C 17/42 (2013.01 - EP); **C09D 1/00** (2013.01 - EP US); **C09D 5/00** (2013.01 - EP); **C09D 5/004** (2013.01 - US); **C09D 5/006** (2013.01 - EP); **C09D 183/08** (2013.01 - EP US); **G02B 1/115** (2013.01 - EP US); **G02B 1/18** (2015.01 - EP US); **C03C 2217/734** (2013.01 - EP); **C03C 2217/76** (2013.01 - EP); **C08G 77/24** (2013.01 - EP)

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